

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Attorney Docket No.: 103774.03

Date: July 10, 2003

Customer Number: 25944

**MAIL STOP PATENT APPLICATION**

**CONTINUING APPLICATION TRANSMITTAL  
RULE 1.53(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a

☐ Continuation ☒ Divisional ☐ Continuation-in-Part

application of prior pending Application No. 09/974,054, filed October 11, 2001 which in turn is a Division of Application No. 09/348,483 filed July 7, 1999 now U. S. Patent No. 6,336,437 issued January 8, 2002.

For (Title): DIRECT CYLINDER INJECTION-TYPE SPARK IGNITION INTERNAL  
COMBUSTION ENGINE

By (Inventors): Toyokazu BAIKA, Tatsuo KOBAYASHI, Fumiaki HATTORI, Takashi HASHIMA,  
Hiroyuki HOKUTO, Toshimi KASHIMAGURA, Mutsumi KANDO, Hiroya TANAKA,  
Souichi MATUSITA, Shizuo ABE and Nobuyuki MURAMATSU

1. ☒ A Declaration and Power of Attorney is attached. The attached Declaration and Power of Attorney is:
- ☒ a. A copy of the Declaration and Power of Attorney from the parent application. (Used with the same or fewer inventors and (a) a copy of the prior application or (b) a revised, reformatted or edited version of the prior application that does not contain new matter.)
- ☐ b. A new Declaration and Power of Attorney. (Used with the same, fewer or additional inventors and (a) a copy of the prior application, (b) a revised, reformatted or edited version of the prior application that does not contain new matter, or (c) a new specification.)
2. ☒ The filing fee is calculated below:

**CLAIMS IN THE APPLICATION AFTER ENTRY OF  
ANY PRELIMINARY AMENDMENT NOTED BELOW**

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	3 - 20	= *0
INDEP CLAIMS	1 - 3	= *0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED		

\* If the difference is less than zero, enter "0".

**SMALL ENTITY**

RATE	FEE
	\$ 375
x 9 =	\$
x 42 =	\$
+140 =	\$
TOTAL	\$

**OTHER THAN A  
SMALL ENTITY**

RATE	FEE
	\$ 750
x 18	\$--
x 84	\$--
+280	\$
TOTAL	\$750

3. ☒ Check No. 143988 in the amount of \$750 to cover the filing fee is attached. The Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.
4. ☒ Formal drawings (Fig(s). 1-20) are attached.
- ☐ Use Figure for front page of Publication.

DEPOSIT ACCOUNT USE  
AUTHORIZATION  
Please grant any extension  
necessary for entry;  
Charge any fee due to our  
Deposit Account No. 15-0461

5. ☒ Priority of foreign application(s) No. 10-193335 filed July 8, 1998 in Japan is claimed under 35 U.S.C. §119 and/or §365(b).  
☒ The certified copy was filed in prior Application No. 09/348,483 on July 7, 1999.  
☐ A certified copy of the above foreign application(s) is filed herewith.
6. ☐ Priority of U.S. Provisional Application(s) No. \_\_\_\_\_ filed \_\_\_\_\_ is claimed under 35 U.S.C. §119.  
(A Preliminary Amendment is attached to reflect the claim of benefit in the specification if not already present.)
7. ☒ The prior application are assigned of record to TOYOTA JIDOSHA KABUSHIKI KAISHA recorded at Reel 010169, Frame 0275.
8. ☐ This application is filed by fewer than all the inventors named in the prior application (37 C.F.R §1.53(b)(1)). Delete the following inventor(s) named in the prior application:  
\_\_\_\_\_  
\_\_\_\_\_
9. ☐ A Preliminary Amendment is attached. The Preliminary Amendment amends the specification to reflect the continuation data. Claims added by this Amendment are properly numbered consecutively beginning with the number next following the highest numbered claim in the application and claims canceled are identified in the listing of claims.
10. ☒ An Information Disclosure Statement is attached.
11. ☐ Small entity status:  
☐ a. Entitlement to small entity status is asserted.  
☐ b. Small entity status is no longer claimed.
12. ☐ Other: \_\_\_\_\_
13. ☐ This application is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.
14. ☒ The power of attorney in the application is to James A. Oliff, Registration No. 27,075, William P. Berridge, Registration No. 30,024, Kirk M. Hudson, Registration No. 27,562, Thomas J. Pardini, Registration No. 30,411, Edward P. Walker, Registration No. 31,450, Robert A. Miller, Registration No. 32,771, Mario A. Costantino, Registration No. 33,565, Stephen J. Roe, Registration No. 34,463, Joel S. Armstrong, Registration No. 36,430, Christopher W. Brown, Registration No. 38,025, Richard E. Rice, Registration No. 31,560, Paul Tsou, Registration No. 37,956, and/or Eric D. Morehouse, Registration No. 38,565.  
☒ a. The power appears in the attached Declaration and Power of Attorney.  
☐ b. Since the power does not appear in the attached Declaration and Power of Attorney, a substitute Power of Attorney is also attached.
15. ☒ Address all future communications to:

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Respectfully submitted,



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JAO:RJW/sxb